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TITLE: Compositions and methods for modulating .beta.-amyloid

Brief Summary Text (4):

Abnormal deposition of .beta.-amyloid in the cells and tissues of a human patient is a prominent feature associated with several brain disorders in humans. These disorders include Alzheimer's disease, Alzheimer disease changes associated with Down's syndrome, hereditary cerebral hemorrhage with amyloidosis of Dutch origin (HCHWA-D), Parkinson-dementia of Guam, sporadic cerebral amyloid angiopathy (SCAA) and dementia pugilistica. Abnormal accumulation of .beta.-amyloid is also implicated in severe and progressive muscle diseases such as sporadic inclusion body myositis (IBM) and hereditary inclusion body myopathy (hIBM). Collectively, these diseases are referred to as .beta.-amyloidoses.

Brief Summary Text (9):

Parkinson-dementia of Guam is caused by extensive deposition of .beta.-amyloid in the brain, and is characterized by parkinsonism and slowly progressive dementia. This disease also exhibits the formation of neurofibrillary tangles similar to those observed in Alzheimer's disease patients.